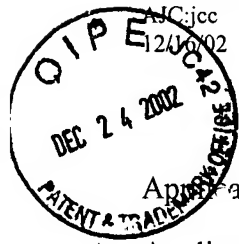


1651



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: John Wyrick, Richard A. Young, Bing Ren, Francois Robert and Itamar Simon

Application No.: 10/032,281 Group Art Unit: 1651

Filed: December 21, 2001 Examiner: Not Assigned

Confirmation No.: 4057

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Title: Genome-Wide Location and Function of DNA Binding Proteins

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CERTIFICATE OF MAILING	
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to Assistant Commissioner for Patents, P.O. Box 2327, Arlington, VA 22202	
on 12.18.02	<i>Jenine Crump</i>
Date	Signature
Jenine Crump	
Typed or printed name of person signing certificate	

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents
P.O. Box 2327
Arlington, VA 22202

Sir:

This Information Disclosure Statement is submitted:

☐ under 37 CFR 1.129(a), or

(First/Second submission after Final Rejection)

☒ under 37 CFR 1.97(b), or

(Within any one of the following time periods: three months of filing national application (other than a CPA) or date of entry of the national stage in an international application; or before the mailing date of a first office action on the merits in a non-provisional application, including a CPA, or a Request for Continued Examination).

☐ under 37 CFR 1.97(c) together with either:

☐ a Statement under 37 CFR 1.97(e), as checked below, or

☐ a \$180.00 fee under 37 CFR 1.17(p), or

(After the 37 CFR 1.97(b) time period, but before final action or notice of allowance, whichever occurs first)

☐ under 37 CFR 1.97(d) together with:

☐ a Statement under 37 CFR 1.97(e), as checked below, and

☐ a \$180.00 fee under 37 CFR 1.17(p), or

(Filed after final action or notice of allowance, whichever occurs first, but on or before payment of the issue fee)

☐ under 37 CFR 1.97(i):

Applicant requests that the IDS and cited reference(s) be placed in the application filewrapper.

(Filed after payment of issue fee)

Statement Under 37 CFR 1.97(e)

- ☐ Each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement; or
- ☐ No item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned, after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of this Information Disclosure Statement.

Statement Under 37 CFR 1.704(d) (Patent Term Adjustment)

Applies to original applications (other than design) filed on or after May 29, 2000

- ☐ Each item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in § 1.56(c) more than thirty days prior to the filing of the Information Disclosure Statement.

☒ Enclosed herewith is form PTO-1449:

☐ Copies of the cited references are enclosed.

☒ Copies of cited references are enclosed (AA-AD and AU2) except those entered in prior application, U.S. Application No. 09/654,409, to which priority under 35 U.S.C. 120 is claimed. The earlier application contains copies of the cited references.

☐ The listed references were cited in the enclosed International Search Report in a counterpart foreign application.

☐ The "concise explanation" requirement (non-English references) for reference(s) [] under 37 CFR 1.98(a)(3) is satisfied by:

☐ the explanation provided on the attached sheet.

☐ the explanation provided in the Specification.

☐ submission of the enclosed International Search Report.

☐ submission of the enclosed English-language version of a foreign Search Report and/or foreign Office Action.

☐ the enclosed English language abstract.

☐ Applicant requests that the following non-published pending applications be considered:

Examiner's
Initials

____ U.S. Patent Application No. [], by [inventor(s)], filed [], Docket No.: []
____ U.S. Patent Application No. [], by [inventor(s)], filed [], Docket No.: []
____ U.S. Patent Application No. [], by [inventor(s)], filed [], Docket No.: []

Examiner

Date

- ☐ A copy of each above-cited application, including the current claims, is enclosed.
- ☐ A copy of each above-cited application, including the current claims, is enclosed, except those entered in prior application, U.S. Application No. [], to which priority under 35 U.S.C. 120 is claimed.

The Examiner is requested to return a copy of the above list of pending applications indicating which references were considered with the next office communication.

It is requested that the information disclosed herein be made of record in this application.

Method of payment:

- ☐ A check for the fee noted above is enclosed, or the fee has been included in the check with the accompanying Reply. A copy of this Statement is enclosed.
- ☐ Please charge Deposit Account 08-0380 in the amount of \$[]. A copy of this Statement is enclosed.
- ☒ Please charge any deficiency in fees and credit any overpayment to Deposit Account 08-0380.

Respectfully submitted,

HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

By Anne J. Collins
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Dated: December 18, 2000

PTO-1449 REPRODUCED



INFORMATION DISCLOSURE CITATION
IN AN APPLICATION

December 18, 2002

(See several sheets if necessary)

ATTORNEY DOCKET NO.
0399.1212-005

APPLICATION NO.
10/032,281

APPLICANT
John Wyrick, et al.

FILING DATE
December 21, 2001

CONFIRMATION NO.
4057

GROUP
1651

U.S. PATENT DOCUMENTS

EXAM- INER INI- TIAL	DOCUMENT NUMBER	ISSUE DATE / PUBLICATION DATE	NAME
AA	6,066,452	23-May-2000	Weissman, et al.
AB	6,046,165	04-April-2000	Laughon, et al.
AC	6,109,776	29-August-2000	Haas
AD	5,424,188	13-June-1995	Schneider, et al.
AE			
AF			
AG			
AH			
AI			
AJ			
AK			

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FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
AL						
AM						
AN						
AO						
AP						
AQ						

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AR	Solomon, M.J., et al., "Mapping Protein-DNA Interactions in vivo with Formaldehyde: Evidence That Histone H4 is Retained on a Highly Transcribed Gene," <i>Cell</i> , 53:937-947 (June 17, 1988).
AS	Solomon, M.J. and A. Varshavsky, "Formaldehyde-Mediated DNA-Protein Crosslinking: A Probe for In Vivo Chromatin Structures," <i>Proc. Natl. Sci. USA</i> , 82:6470-6474 (October 1985).
AT	Aparicio, O.M., et al., "Components and Dynamics of DNA Replication Complexes in <i>S. cerevisiae</i> : Redistribution of MCM Proteins and Cdc45p during S Phase," <i>Cell</i> , 91:59-69 (October 3, 1997).
AU	Tanaka, T., et al., "Loading of an Mcm Protein onto DNA Replication Origins is Regulated by Cdc6p and CDKs," <i>Cell</i> , 90:649-660 (August 22, 1997).

EXAMINER

DATE CONSIDERED

PTO-1449 REPRODUCED

ATTORNEY DOCKET NO.
0399.1212-005APPLICATION NO.
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(Use several sheets if necessary)

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DEC 30 2002

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FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AV	Holstege, F.C.P., et al., "Dissecting the Regulatory Circuitry of a Eukaryotic Genome," <i>Cell</i> , 95:717-728 (November 25, 1998).
AW	Chee, M., et al., "Accessing Genetic Information with High-Density DNA Arrays," <i>Science</i> , 274:610-614 (October 25, 1996).
AX	DeRisi, J.L., et al., "Exploring the Metabolic and Genetic Control of Gene Expression on a Genomic Scale," <i>Science</i> , 278:680-686 (October 24, 1997).
AY	Orlando, V., "Mapping Chomosomal Proteins <i>in vivo</i> by Formaldehyde-Crosslinked-Chromatin Innunoprecipitation," <i>TIBS</i> , 25:99-104 (March 2000).
AZ	Roberts, C.J., "Signaling and Circuitry of Multiple MAPK Pathways Revealed by a Matrix of Global Gene Expression Profiles," <i>Science</i> , 287:873-880 (February 4, 2000).
AR2	Hecht, A., et al., "Spreading of Transcriptional Repressor SIR3 From Telomeric Heterochomatin," <i>Nature</i> , 383:92-96 (September 5, 1996).
AS2	Blat, Y., et al., "Cohesins Bind to Preferential Sites Along Yeast Chromosome III, with Differential Regulation Along Arms Versus the Centric Region," <i>Cell</i> , 98:249-259 (July 23, 1999).
AT2	Ren, B., et al., "Genome-Wide Location and Function of DNA Binding Proteins," <i>Science</i> , 290:2306-2309 (December 22, 2000).
AU2	Lipshutz, R.J., et al., "High Density Synthetic Oligonucleotide Arrays," <i>Nature Genetics</i> , 21:20-24 (January 1999).

EXAMINER

DATE CONSIDERED